(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 13 May 2004 (13.05.2004)

(10) International Publication Number WO 2004/040308 A1

(51) International Patent Classification7:

G01N 33/543,

C12Q 1/68

(74) Agent: HARRISON GODDARD FOOTE; 31 St. Saviourgate, York YO1 8NQ (GB).

(21) International Application Number:

PCT/GB2003/004653

(22) International Filing Date: 29 October 2003 (29.10.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0225197.3

30 October 2002 (30.10.2002)

(71) Applicant (for all designated States except US): PLASSO TECHNOLOGY LTD [GB/GB]; The Innovation Centre, 217 Portobello, Sheffield S1 4DP (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SHORT, Robert [GB/GB]; The Innovation Centre, 217 Portobello, Sheffield S1 4DP (GB). BUTTLE, David [GB/GB]; Unviersity of Sheffield, Medical School, Beech Hill Road, Sheffield S10 2RX (GB). DAY, Anthony [GB/GB]; MCR Immunochemistry Unit, University of Oxford, South Parks Road, Oxford OX1 3QU (GB).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SUGAR BINDING SURFACE

(57) Abstract: The invention provides a method for the immobilisation of at least one type of carbohydrate molecule comprising contacting a surface with a plasma of at least one monomer to provide a plasma polymer coated surface and contacting said polymer surface with a carbohydrate molecule.